

Best Practices in Science Teaching: *A Hands-On Approach to Effective Teaching and Learning in the Next Generation Science Classroom*

Workshop #109-14

How can I fit it all in? Can I make room for the Next Generation Science Standards (NGSS) and still achieve the Common Core Standards for language arts and mathematics? Absolutely! Integration through science will increase interest and motivation in your students while achieving your goals. This hands-on, excitement filled workshop will show you how. Each participant will receive a CD of lesson plans and resources.

Reeda Hart, STEM Outreach Director for the Center for Integrative Natural Science and Mathematics at Northern Kentucky University, will facilitate a two-day professional development to help you integrate science throughout your curriculum.



Model Teaching, Demonstrations, and Discussions are utilized to teach topics like:

Inquiring into Science

- Gobstopper Inquiry

Science Literacy

- Fiction and non-fiction science literature
- Writing in the science classroom

Adventures in the Water Cycle

- Globe Toss, Incredible Journey, Water Wonders,
- Dancing Raisins States of Matter
- Connections through Music and Movement
- Differentiating Instruction in the Science Classroom

Mathematics is Everywhere

- Pop Bottle Cars
- Formative Assessments in the Mathematics and Science Classroom

Energy = Force and Motion

- Energy, Force, and Motion
- Light, Sound, and Electrical Energy

Trees, Plants, Flowers, and Seeds

- Human Tree, Beanie Baby Necklaces, Plant Adaptations, Setting Potato Traps
- The Power of Music and Movement in the Classroom

Rock On!

- Rock Observations, Rock Cycle Game, Tic-Tac Weathering
- Using Science Process Skills

Engineering and technology are integrated throughout!

For: Elementary School Science Teachers (Grades 3-5) and Curriculum Coordinators

Dates: March 10 & 11, 2014

Location: Carroll Knicely Center
2355 Nashville Road
Bowling Green, KY

Time: 8:30-3:30 (CST)
Registration and Lite Breakfast will begin at 8:00 a.m.
(Lunch on your own)

Cost: \$150.00 for GRREC members
\$200.00 for non-GRREC members

Materials: Each participant will receive a CD of lesson plans and resources.

Registration Form

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Cost - \$150.00 for GRREC members; \$200 for non-GRREC members
*****space limited to 20 elementary participants*****

Please Print:

Name: _____ District: _____

School: _____ Position: _____

Phone #: _____ Email: _____

P.O. # _____ (required for registration)

Note: School district (or school) will be billed following the activity based upon registration. Cancellations must be made within five (5) working days of the activity to avoid being billed. Substitutions will be allowed.

Registration Deadline: February 28, 2014
Register online at www.grrec.ky.gov or
fax this completed form to GRREC at (270) 563-2208

Sponsored by
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230 Technology Way, Bowling Green, KY 42101
Phone: (270) 563-2113 **FAX: (270) 563-2208** Toll Free 1-866-318-6648
www.grrec.ky.gov

Questions?
Contact Brian Womack at (270) 563-2113 or e-mail brian.womack@grrec.ky.gov